Drone A Little Drone Of Me

Moonn Electronics

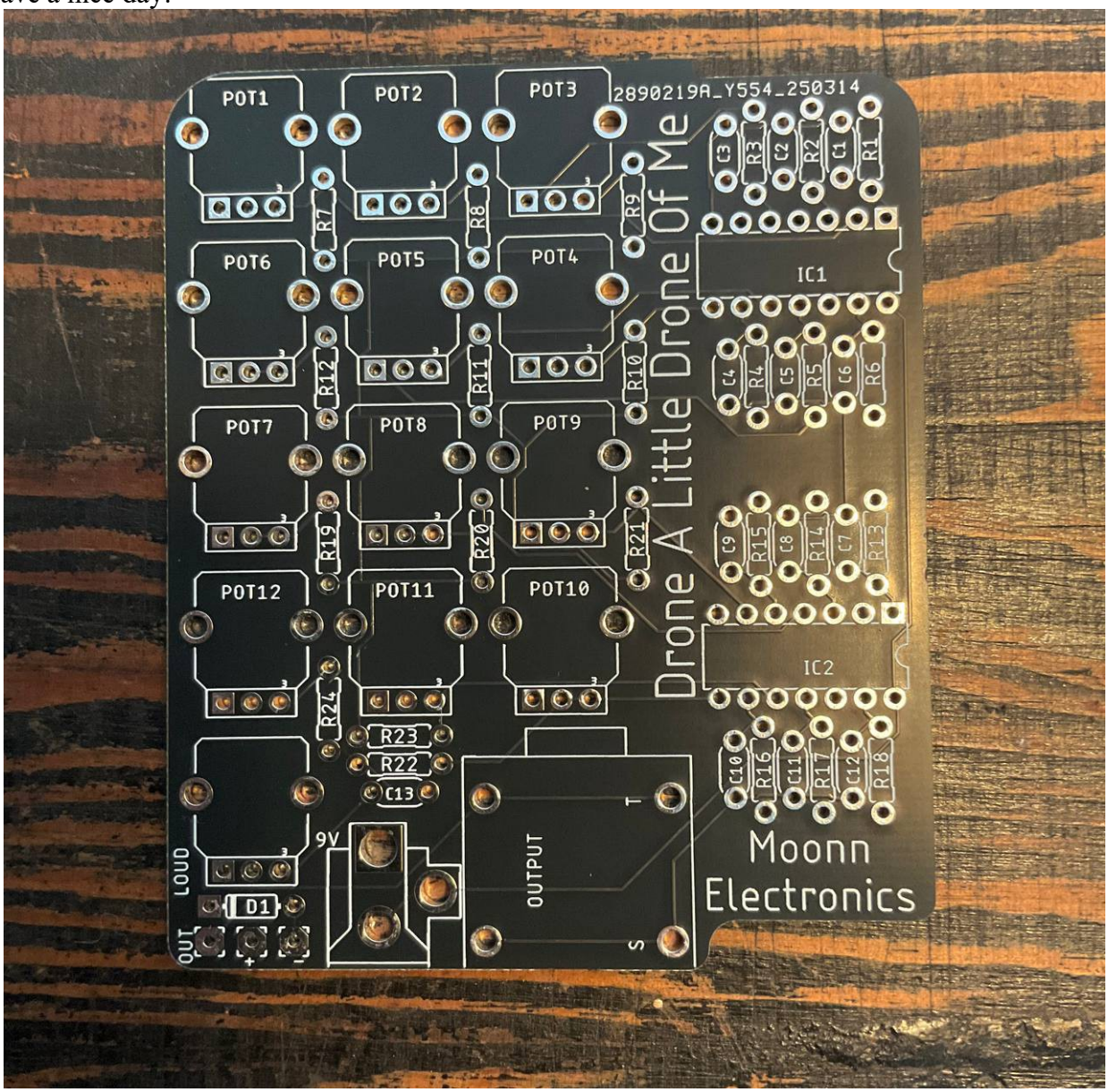
Use me to build a mean Drone Machine

Hi there!
Thank you for building me!

I am designed, so that you don't need a enclosure
You can build me with an enclosure if you want to but just look at the last page how cute I will look if you don't.
Depending on how you use me you might wanna glue a bit of wood or plastic or whatever to my back so you don't make weirds short circuits.

If you have any questions or anything else to say, just write an email to
moonnelectronics@gmail.com

Have a nice day!



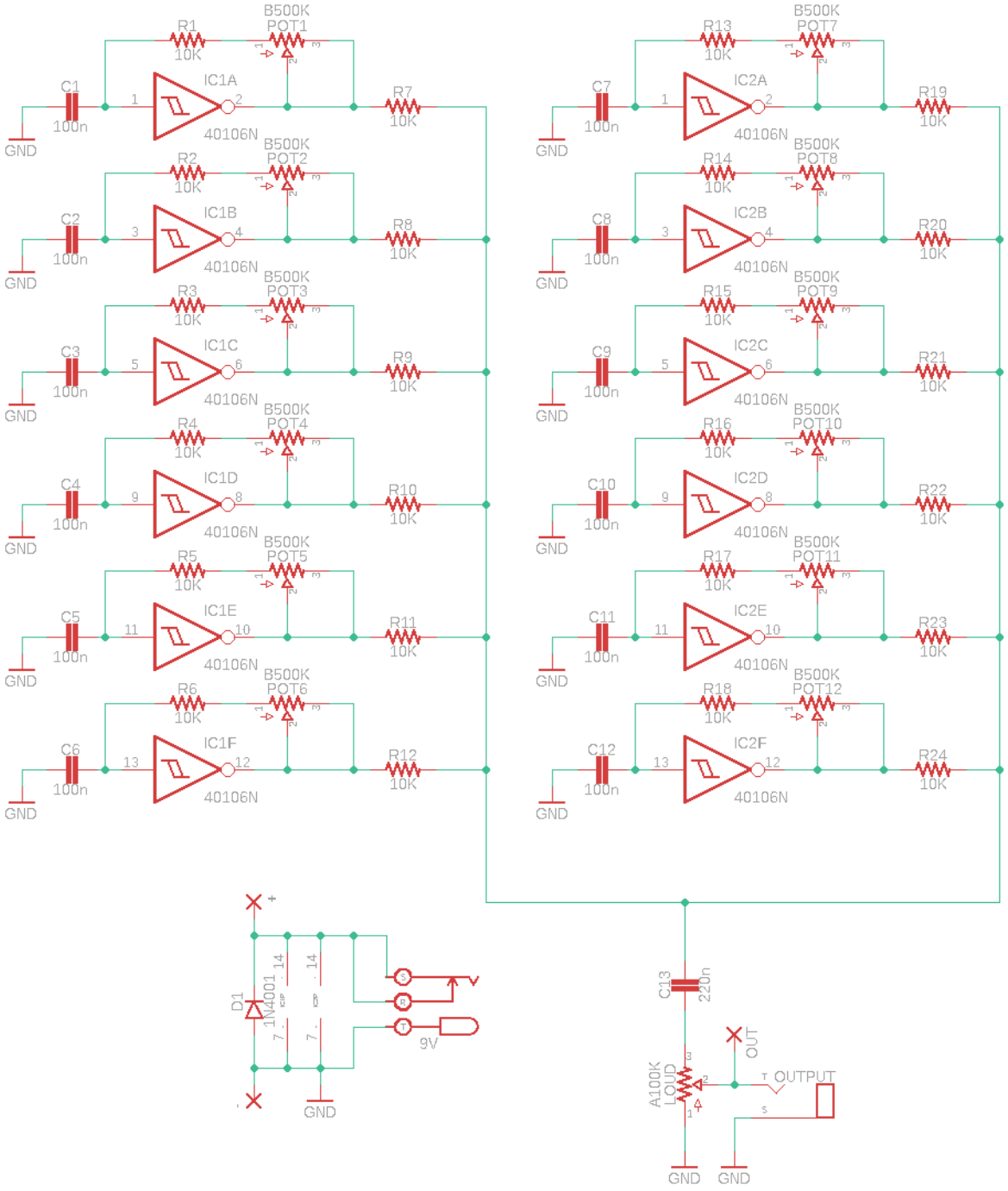
Bill of Materials

Qty	Value	Parts
Resistors		
24	10K	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24
Capacitors		
12	100n	C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12
1	220n	C13
Semiconductors and Chips		
1	1N4001	D1
2	40106N	IC1, IC2
Potentiometers*		
1	A100K	LOUD
12	A500K **	POT1, POT2, POT3, POT4, POT5, POT6, POT7, POT8, POT9, POT10, POT11, POT12

*This build uses 9mm potentiometers. I suggest you use ones that have two extra lugs to mount to the board and plastic shafts that already have an indicator on them

**In a earlier Doc version I suggested B500K pots. But A taper will give you a better sweep

Schematic


R1
10K
B500K
POT1
C1
100n
IC1A
40106N
R7
10K
GND
R2
10K
B500K
POT2
C2
100n
IC1B
40106N
R8
10K
GND
R3
10K
B500K
POT3
C3
100n
IC1C
40106N
R9
10K
GND
R4
10K
B500K
POT4
C4
100n
IC1D
40106N
R10
10K
GND
R5
10K
B500K
POT5
C5
100n
IC1E
40106N
R11
10K
GND
R6
10K
B500K
POT6
C6
100n
IC1F
40106N
R12
10K
GND
R13
10K
B500K
POT7
C7
100n
IC2A
40106N
R19
10K
GND
R14
10K
B500K
POT8
C8
100n
IC2B
40106N
R20
10K
GND
R15
10K
B500K
POT9
C9
100n
IC2C
40106N
R21
10K
GND
R16
10K
B500K
POT10
C10
100n
IC2D
40106N
R22
10K
GND
R17
10K
B500K
POT11
C11
100n
IC2E
40106N
R23
10K
GND
R18
10K
B500K
POT12
C12
100n
IC2F
40106N
R24
10K
GND
D1
1N4001
9V
GND
C13
220n
A100K
LOUD
OUT
OUTPUT
GND
GND

How this thing is supposed to look

Just imagine that IC2 is already soldered in...